



# Italian specialties

RAVIOLI S.P.A.

**HALL  
A6.112**  
@bauma

At bauma 2019 Ravioli S.p.A. will exhibit the complete range of its products and will introduce a brand new Slip Ring: the PMR Premium, which has been studied specifically for applications on small auto cranes

Miriam Spada

**B**orn in 1926, after more than 90 years of successful activity, Ravioli S.p.A. is an experienced yet dynamic and

world-renowned manufacturer of mechanical and electromechanical devices for industry. Based in Milan, northern Italy, the Company has been de-

veloping and improving a high qualitative, solid and reliable network of dealers and partners, starting exporting its products more than 30 years

New PMR Premium Slip Ring



ago, as the management strongly believed in globalisation and export since the 80s, long before many other Italian Companies even started to think about foreign markets. Designing, projecting, testing and assembling all in-house the products, Ravioli maintains the production strongly rooted in the territory, guaranteeing the high quality standards of Made in Italy, accordance to EU Norms and Directives, user-friendly design, customer care and technical assistance as well as innovative and updated solutions for each product. The complete range of Ravioli's production offers numerous solutions for different applications, such as Radio Remote Controls, Push Pendant Stations, Slip Rings and Limit Switches, for cranes, hoists, overhead cranes and other machineries suitable for lifting industry; D.C. Contactors, Motor Reversers and Twin Connectors, suitable for electrical vehicles for industry such as cleaning machines, material handling, eco-friendly vehicles and aerial platforms. From 2000, through the project Green e-motion, Ravioli also started to develop specific products to be applied on wind turbine, for the production of wind power.

Always considering the chance to meet people personally, during important international exhibitions in 2019 around the world, as an opportunity to strengthen partnerships and create a reliable network, Ravioli S.p.A. will be pleased to meet you at bauma (Munich, 8-14 April 2019) - in hall A6, booth 112.

In occasion of this world-renowned appointment, the Company will introduce a brand new Slip Ring: the **PMR Premium**, which has been studied, projected and manufactured specifically for applications on small auto cranes and earth-moving machineries.

The best way to fulfil the technical and power needs of this kind of machines is to mix two important features on the device: reduced dimensions and high power supply. This is the reason

why the R&D Team at Ravioli S.p.A. projected the new PMR Premium, which is available also in mixed versions, combining rings and brushes up to 100A each, for a maximum of 2 per execution. Equipped with optional auxiliary rings - 10A each - as well as signal rings and brushes 2A each, the new PMR Premium is provided with cable entries of different sections, in order to fit any type of cable. It might also be personalised thanks to Ethernet, PROFI-BUS and CAN-BUS.





Pendant Stations Lady

by the Company's R&D dept. and it's protected

by shape patent. These innovations fit entirely with the constant growth and improvement of each family of products, along with the Company's will to combine mechanical and electronic components in each product, in order to provide more and more integrated devices, to satisfy the customer's needs and to perfectly respond to Industry 4.0.

The productive processes, from ideation, design and realisation of the product, to quality controls, tests and final approval are all strongly integrated to one another, in order to let all the teams and divisions perfectly cooperate, be informed at any time of the different steps in the production and work efficiently and correctly lined.

The new Ravioli PMR Premium is the perfect combination of the high versatile technical features of Ravioli PME Slip Ring and the reduces axial dimensions of Ravioli ROLLER Slip Rings. The new PMR Premium is the perfect answer to the need of compact size, high technical personalisation and high power supply. A new must-have.

Along with Slip Rings, Ravioli S.p.A. is constantly developing its range of **Pendant Stations Lady**, to guarantee all-round solutions for the industrial lifting.

As a new step forward in order to fit the cultural and technological differ-

ences among the numerous markets, in which the Company operates, and to satisfy its worldwide customers, as well as the specific Norms and Directives of each Country, Ravioli S.p.A. has recently added the possibility for the customer to require the complete range of Lady Pendant Stations in CCC marked version, which is suitable for the Chinese market and in compliance with the Chinese regulations. Ravioli Pendant Stations Lady are specifically studied and projected to be used in the lifting industry to move cranes, hoists, overhead cranes, winches or in numerous industrial applications for material and machinery handling. Deliberately designed for an ergonomic and safe grip, Lady is manufactured in order to be highly shock resistant, UV resistant, acid and oils resistant.

As per Ravioli's belief and accuracy in terms of safety and compliance with Norms and Directives, in addition to the possibility of mounting the emergency push button - manufactured according to the EN13850 Directives - equipped with 1NC or 2NC contacts, it is possible to customise your Pendant Station Lady with an OFF-ON-OFF special push button, available upon request. This emergency button is the perfect solution for the use in industrial applications, and it provides a high level of safety, based on researches on human behaviour. In the unlucky event of an immediate danger, the user can either press or release the emergency push button, guaranteeing the prompt stop of the running machinery.

Available upon request, the possibility of adding absolute encoders and optional sensors, whilst its aluminium bottom guarantees strong mechanical resistance and high protection degree IP65.

This range of Slip Rings assures a wider and more flexible number of solutions, combined to peculiar needs and requests of the customer.

Successfully introduced on Ravioli PME Evolution, the brush Touch is provided also for the new PMR Premium. Touch has been specifically studied and projected to provide a better contact continuity and performance during the passage of the signals within the slip rings. Thanks to a wider surface of contact, the new brush Touch allows to optimise the longevity and efficiency of the product during its lifetime.

An easy match with fluidic joints and a series of other optional accessories, available upon request, as well as the high versatility of the composition of rings and brushes make the new Ravioli PMR Premium an ally to satisfy the user needs.

As the complete range of Ravioli Slip Rings, also the new PMR Premium has been created with a unique design, carefully and specially studied

The complete range of **MK push buttons**, provided in our in-house manufactured pendant stations Lady, is available also in certified version, according to UL/USA Directives. As one of the key assets of our Lady pendant stations, the MK push button is equipped with self-cleaning contacts and stainless steel springs, and it is manufactured according to a complete protection against accidental physical contacts finger tested. This high strength push button is firmly based at the bottom of the pendant station by 2 fixing screws, significantly increasing the resistance to cables picking and the reliability of the mechanical lock. Moreover, in order to satisfy specific requests of the customers, Ravioli has recently introduced an additional version of the MK push buttons, expressly studied for very low current-carrying capacity of a handful of milliamps.

These detailed improvements, the constant attention of the Company to safety, the assurance to the user of dealing with a guaranteed Made In Italy product, the commitment to manufacture high standard quality products through certified productive processes and the use of cutting-edge technology and unique design, the provided high performance and the chance for

the user to highly personalise the products around the specific needs of each machinery and application, are the significant signs of Ravioli's care, attention and commitment to provide safe and qualitative products for almost a century.

Being a reference point in many different markets, such as industrial lifting, material handling and packaging, nautical equipment, wind power, eco-friendly vehicles and many more, Ravioli S.p.A. provides a wide range of customised solutions worldwide and the quality of its products is highly valuable. The Company has always been considered a reliable partner for many decades now and the cooperation with important Companies worldwide is the proof of such success.

The satisfaction of the customer and the flexibility to provide customised solutions are key factors of the success of the Milanese Company.

Deeply connected to its roots and Italian expertise, Ravioli is a proud ambassador of Made in Italy in terms of quality, technologies and design, as well as artistic, cultural and landscape heritages, of which today the whole world is

conscious and for which gives us credit. For this reason all the products are manufactured in-house in the productive site of the company's headquarter in Milan and, according to its strong commitment to make the world a better place and to protect the beauties and the treasures of Italy, Ravioli is one of the 200 Corporate Golden Donors of FAI - Fondo Ambiente Italiano - to contribute to and support their daily activities of safeguard and enhancement of Italy. Ravioli believes in a world, from past traditions towards the challenge of the future.

If you would like to meet Ravioli during bauma (Munich, 8-14 April 2019) - the team will be waiting for you in hall A6, booth 112. Come and visit Ravioli S.p.A. to personally discover and experience all the latest news! ◀

INFO

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The complete range of Slip Rings